UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/751,903	12/28/2000	Scott Ryder	APLE.P0007	9127

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EXAMINER
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ART UNIT	PAPER NUMBER
2141	

DATE MAILED: 05/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _12/28/2000-08/28/2002_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-24_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-24_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _28 December 2000_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____ .

DETAILED ACTION

Specification

1.   The title of the invention is not descriptive. A new title is required that is clearly indicative

of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3.   The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999

(AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not

apply when the reference is a U.S. patent resulting directly or indirectly from an international

application filed before November 29, 2000. Therefore, the prior art date of the reference is

determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4.   **Claim(s) 1-24 is/are rejected under 35 U.S.C. 102(e) as being anticipated by Abdelnur**

et al. (US Patent No. 6,212,640 and Abdelnur hereinafter).

5.   As per claim(s) 1, 22, 24 Abdelnur discloses requesting of a first server said mounting of said

volumes; returning by said first server a set of mounting parameters; and automatically mounting

said plurality of volumes utilizing said returned parameters, said parameters , said volumes located

remote to said client, said volumes after mounting behaving as would a volume native to said client,

(See Column 5 Lines 61-67 & Column 6 Lines 1-15).

6.   As per claim(s) 2 Abdelnur teaches the claimed invention as described in claim(s) 1 above
and furthermore discloses authenticating said client by said first server via an interface to said first
server, said client authentication characterized by a login identification (ID), (See Column 9 Lines
60-67).

7.   As per claim(s) 3 Abdelnur teaches the claimed invention as described in claim(s) 1-2 above
and furthermore discloses supplying by the client said login ID and a password intended for said
login ID, (See Column 9 Lines 60-67).

8.   As per claim(s) 4 Abdelnur teaches the claimed invention as described in claim(s) 1-3 above
and furthermore discloses comparing said supplied password and said login ID with a stored
password on said first server associated with said login ID; and if said stored password matches
said supplied password for said login ID, then characterizing said client as successfully
authenticated with said login ID; wherein if authentication information is not retrieved from the
server then it is interpreted that the authentication information does not exist, only if a match
occurs, then is the client successfully authenticated, (See Column 11 Lines 1-11).

9.   As per claim(s) 5 Abdelnur teaches the claimed invention as described in claim(s) 1-4 above
and furthermore discloses detecting the presence of a cookie on said client, said cookie indicating by
its presence that said client has installed a plug-in module; and if said cookie is not detected,
terminating any said volume mounting, (See Column 12 Lines 8-25).

10.   As per claim(s) 6 Abdelnur teaches the claimed invention as described in claim(s) 1-5 above
and furthermore discloses if successfully authenticated, retrieving said parameters from a profile
datastore on said first server, said parameters indexed therein by said login ID; and assembling a
mounting command block, said command block consisting of a mount command and said retrieved
parameters, (See Column 5 Lines 48-67 & Column 6 Lines 1-21).

11.   As per claim(s) 7 Abdelnur teaches the claimed invention as described in claim(s) 1-6 above and furthermore discloses said requesting is initiated by an event occurring on said client requiring said mounting, (See Column 6 Lines 33-59).

12.   As per claim(s) 8 Abdelnur teaches the claimed invention as described in claim(s) 1-7 above and furthermore discloses retrieving said parameters from a profile datastore on said first server, said parameters indexed therein by an identifier for said event; and assembling a mounting command block, said command block consisting of a mount command and said retrieved parameters, (See Column 5 Lines 48-67 & Column 6 Liens 1-21).

13.   As per claim(s) 9 Abdelnur teaches the claimed invention as described in claim(s) 1-8 above and furthermore discloses said first server returns said parameters via a plug-in module installed on said client; wherein a Plug-in can be interpreted as a Java Applet, (See Column 5 Lines 5-40).

14.   As per claim(s) 10 Abdelnur teaches the claimed invention as described in claim(s) 1-9 above and furthermore discloses obtaining an address for said first server; comparing said address for said first server against a built-in list of approved servers; and if said address is not contained on said built-in list, then terminating the process of automatically mounting; wherein obtaining an address is inherent in that when a selection is made for a certain NFS server the only way to obtain that specific server is by an address of some sort, and if an address does not exist then no mounting occurs as a result of not finding a server specific to the address obtained, (See Column 7 Lines 47-63 & Column 8 Lines 36-52).

15.   As per claim(s) 11 Abdelnur teaches the claimed invention as described in claim(s) 1-10 above and furthermore discloses passing of said parameters by said plug-in to an application programming interface (API) of said client; and completing the mounting of said volume by said API, said mounting achieved absent of user intervention, (See Column 6 Lines 15-40).

16.   As per claim(s) 12 Abdelnur teaches the claimed invention as described in claim(s) 1-11 above and furthermore discloses said remote interface is an Hypertext Transport Protocol capable browser, (See Column 5 Lines 5-16).

17.   As per claim(s) 13 Abdelnur teaches the claimed invention as described in claim(s) 1-12 above and furthermore discloses said parameters include, for each of said volumes, a volume name, a server alias, (See Column 7 Lines 1-15) a volume username and volume password, (See Column 9 Lines 60-67).

18.   As per claim(s) 14 Abdelnur teaches the claimed invention as described in claim(s) 1-13 above and furthermore discloses said server alias is resolved to an address of a second server, said second server housing the volume identified by the corresponding said volume name; wherein the second server satisfies the request, (See Column 8 Lines 53-67).

19.   As per claim(s) 15 Abdelnur teaches the claimed invention as described in claim(s) 1-14 above and furthermore discloses said address of said second server is an Internet Protocol (IP) address; wherein all servers connected to some network comprise of an IP address, (See Column 7 Lines 36-46).

20.   As per claim(s) 16 Abdelnur teaches the claimed invention as described in claim(s) 1-15 above and furthermore discloses looking up said server alias in a mapping table (i.e., mounting table); and retrieving from said look up said address (i.e., path name) of said server from said mapping table.

21.   As per claim(s) 17 Abdelnur teaches the claimed invention as described in claim(s) 1-16 above and furthermore discloses said mounting command block is contained in an extensible markup language (XML) document, (See Column 10 Lines 25-40).

22.   As per claim(s) 18 Abdelnur teaches the claimed invention as described in claim(s) 1-17 above and furthermore discloses said mounting command block is contained in an extensible markup language (XML) document, (See Column 10 Lines 25-40).

23.   As per claim(s) 19 Abdelnur discloses a client configured to request said mounting; and a server coupled to said client said server configured to return a mounting command block to said client, (See Column 5 Lines 61-67 & Column 6 Lines 1-15).

24.   As per claim(s) 20 Abdelnur teaches the claimed invention as described in claim(s) 19 above and furthermore discloses A system according to claim 19 further comprising: a plug-in (i.e., Java Applet) installed in said client, said plug-in (i.e., Java Applet) configured to approve the address of said server, (See Column 5 Lines 5-40).

25.   As per claim(s) 21 Abdelnur teaches the claimed invention as described in claim(s) 19-20 above and furthermore discloses an application programming interface (API) coupled to said plug-in and configured to automatically mount said volumes specified in said mounting command block, said mounting performed without the need for user intervention, (See Column 6 Lines 16-40).

26.   As per claim(s) 23 Abdelnur discloses a plug-in module configured to receive from a server a mounting command block, said mounting command block to include volume mounting parameters, (See Column 5 Lines 5-40); and an application programming interface coupled to said plug-in and configured to automatically mount said volumes specified in said mounting command block, said mounting performed without the need for user intervention, (See Column 6 Lines 16-40).

Conclusion

27.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

28.   Gusler et al. (US Patent No. 6,493,729) discloses method and system to administer mirrored file systems;

29.   Black (US Patent No. 6,708,265) discloses method and apparatus for moving accesses to logical entities from one storage element to another storage element in a computer storage system; and

30.   Cabrera et al. (US Patent No. 6,119,131) discloses persistent volume mount points.

31.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sajid A Yussuf whose telephone number is (703) 305-8752. The examiner can normally be reached on Monday-Thursday 7:30-5:00 PM and Alternate Fridays.

32.   If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (703) 305-4003. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

33.   Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Sajid Yussuf
Patent Examiner
Technology center 2100
28 April 2004

RUPAL DHARIA
SUPERVISORY PATENT EXAMINER